

Applicant : Roderick J. Scott  
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Page : 2 of 12

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In the specification:

Insert the paper copy of the sequence listing filed herewith following the Oath/Declaration.

At page 1, after the title, please insert the following paragraph:

**CROSS-REFERENCE TO RELATED APPLICATIONS**

This application is a continuation of 10/058,825, filed on January 30, 2002, which is a continuation of International Application No. PCT/GB00/02953, internationally filed July 31, 2000, which was published in English, and claims priority to Great Britain Application No. 9918061.4, filed July 30, 1999, all of which are incorporated in their entirety by reference hereto.

At page 1, before the first full paragraph, please insert the following headers:

**BACKGROUND OF THE INVENTION**

*Field of the Invention*

Also, at page 1, after the first full paragraph, please insert the following header:

*Related Art*

At page 12, prior to the first line of the paragraph appearing at lines 21-26, please insert the following header:

**BRIEF SUMMARY OF THE INVENTION**

At page 15, prior to the first line of the paragraph appearing at lines 1-10, please insert the following header:

**DETAILED DESCRIPTION OF THE INVENTION**

At page 22, prior to the first line of the paragraph appearing at lines 12-19, please insert the following header:

**BRIEF SUMMARY OF THE DRAWINGS**

At page 24, prior to the first line of the paragraph, appearing at lines 26-28, please insert the following header:

### EXAMPLES

Please amend Table 1 at pages 25-26, rows 8-9, 11 and 13, and at footnote 8 as follows:

Table 1. Outcomes of control crosses and crosses involving Met1 antisense and *ddm* mutant plants.

Cross	Interploidy cross phenotype <sup>1</sup>	Viability of hybrid see (%) <sup>2</sup>	Maximum number of peripheral endosperm nuclei <sup>3</sup>	Relative volume of chalazal endosperm <sup>4</sup>	Relative change to cellularization time (days) <sup>5</sup>	Seed weight ( $\mu$ g) <sup>6</sup>
2x-2x	NA	95-100	400	1	0	22
4x-4x	NA	95-100	400	2.5	0	36
6x-6x	NA	95-100	300	3.5	0	44
2x-4x	PE	95-100	640	2	+1	54
4x-2x	ME	95-100	80	0.6	-1	14
2x-6x	PE	0 <sup>7</sup>	400	6.8	Absent	6
6x-2x	ME	0 <sup>7</sup>	50	0.2	-1.5	4
2xmet-2xmet	PE	95-100	350	1	0	15
2xmet-2xmet		(90) <sup>8</sup>	(598) <sup>8</sup>			(13.6) <sup>8</sup>
2x-2xmet	ME	95-100	200	0.5	-0.5	10
2xmet-2xmet		(93) <sup>8</sup>	(227) <sup>8</sup>			(9.5) <sup>8</sup>
2xmet-2x	PE	95-100	450	1.75	+0.5	20
2xmet-2xm		(97) <sup>8</sup>	(1,365) <sup>8</sup>			(32.5) <sup>8</sup>
2xddm-2xddm	PE	95-100	350	1.25	0	19
2x-2xddm	ME	95-100	250	0.5	-0.5	12
2xddm-2x	PE	95-100	400	2	+0.5	21
4x-2xmet	ME	0 <sup>7</sup>	740	4.4	>+3	15
4x-2xddm	ME	0 <sup>7</sup>	150	0.3	-1.5	5
2xddm-4x	PE	0 <sup>7</sup>	680	3.5	>+3	5

NA, not applicable; PE, paternal excess; ME, maternal excess.

<sup>1</sup>, either paternal (PE) or maternal (ME) excess as defined in Scott et al., 1998. <sup>2</sup>, determined by germination on soil. <sup>3</sup>, counts done as described in Scott et al., 1998. <sup>4</sup>, calculated relative to amount in 2x-2x control cross at heart stage (approx. 5 DAP). <sup>5</sup>, expressed relative to 2x-2x control cross (usually 5 DAP). <sup>6</sup>, measured as described in Scott et al., 1998. <sup>7</sup>, seeds shriveled.

<sup>8</sup>, this experiment was performed later subsequent to the experiment that yielded the non-bracketed data and used improved growing techniques for the met1a/s plants. This resulted in more vigorous plants which presumably accounts for the observed changes in seed weight. Note however that the changes are qualitatively the same as the original experiment i.e., i.e., 2x-2xmet are small than 2xmet-2xmet and 2xmet-2x are larger.

At page 29, please substitute the paragraph appearing at lines 24-27 with the following paragraph:

5' CCGAATTCTTCAAGCAAAAGAATCTTGTGGGAG 3' AGL5F (SEQ ID NO:1)

EcoRI

5' CGGTACCTATAAGCCCTAGCTGAAGTATAAACAC 3' AGL5R (SEQ ID NO:2)

KpnI

At page 30, please substitute the paragraph appearing at lines 5-8 with the following paragraph:

5' CCGAATTCAAGCTTCTTAAGAATTATAGTAGCACTTG 3' AP3F (SEQ ID NO:3)

EcoRI

5' GGGTACCTCTCTTTGTTAACATTTTGTGAAGAG 3' AP3R (SEQ ID NO:4)

KpnI

At page 30, please substitute the paragraph appearing at lines 25-28 with the following paragraph:

5' ACTCGAGATTTGAAAATGGTGGAAAATGGGGC 3' MET1F (SEQ ID NO:5)

XhoI

5' ACCCGGGTGGTTATCTAGGGTTGGTGGAGGAG 3' MET1R (SEQ ID NO:6)

SmaI

After the claims (at new page 54), please insert the following paragraph: